What is claimed is:

A wireless LAN access point comprising:
 a directional antenna;

an interference detector detecting interference effected by another wireless LAN access point on said directional antenna; and

a direction adjusting mechanism adjusting a maximum gain direction of said directional antenna in response to said detected interference.

- The wireless LAN access point according to claim 1, further comprising a control unit determining an optimized direction in response to the detected interference,
- wherein said direction adjusting mechanism adjusts a maximum gain direction of the directional antenna to the optimized direction, and

wherein said control unit determines said

10 optimized direction such that said directional
antenna is free from said interference effected
by said other wireless LAN access point.

3. The wireless LAN access point according to claim 2, wherein said interference detector detects a strength of said interference from said other wireless LAN access points, and

- wherein said controller unit determines said optimized direction in response to said detected strength of said interference.
 - 4. A wireless LAN access point comprising: a directional antenna; an omnidirectional antenna;
 - a signal processor;
- directional antenna and said omnidirectional antenna in response to interference from other wireless LAN access points, wherein said selector unit provides electrical connections between said signal processor and said selected antenna,

wherein said signal processor receives and transmits radio signals through said selected antenna.

5. The wireless LAN access point according to claim 4, further comprising an interference detector detecting said interference, and

wherein, in response to detection of said

interference during reception and transmission of
said radio signals through said omnidirectional
antenna, said selector unit disconnects said
omnidirectional antenna from said signal
processor, and connects said directional antenna

- 10 to said signal processor.
 - 6. The wireless LAN access point according to claim 5, further comprising:

a controller unit determining an optimized direction in response to a strength of said
5 interference; and

a direction adjusting mechanism adjusting an maximum gain direction of said directional antenna to said optimized direction.

7. A wireless LAN access point comprising: a plurality of directional antennas having different maximum gain directions;

an antenna controller adapted to activate

and deactivate said plurality of directional

antennas; and

an interference detecting unit detecting interference effected by other wireless LAN access point on said plurality of directional antennas.

wherein said antenna controller deactivates one of said plurality of directional antennas on which said interference is effected, while activating another of said plurality of

15 directional antennas which is free from said interference.

- 8. A wireless LAN system comprising:
- a plurality of wireless LAN access points, each of which includes:
 - a directional antenna, and
- a direction adjusting mechanism connected to said directional antenna; and an antenna controller determining an optimum direction of each of said directional antennas,
- wherein each of said direction adjusting mechanisms adjusts a maximum gain direction of said directional antennas associated therewith to said optimum direction determined by said antenna controller.
 - 9. The wireless LAN system according to claim 8, wherein said antenna controller determines said optimum directions of said directional antennas such that communicable areas of said plurality of wireless LAN access points do not overlap one another.
 - 10. A wireless LAN access point comprising: an interference detector detecting interference effected by other wireless LAN access points;

a channel selector switching a plurality of channels used to communicate with a terminal; and a signal processor,

wherein, in response to detection of

interference on one of said plurality of channels

during communications through said one channel,
said channel selector selects another channel
from among said plurality of channels which
receives least interference from said other
wireless LAN access points, and

wherein said signal processor communicates with said terminal through said selected channel.

11. A method for avoiding interference between wireless LAN access points, comprising:

detecting interference between first and second wireless LAN access points; and

- 5 moving an electromagnetic shield between said first and second wireless LAN access points in response to occurrence of said interference.
 - 12. The method according to claim 11, wherein said electromagnetic shield includes a shield plate, and said method further comprises:

arranging said shield plate such that a

5 main surface of said shield plate is parallel to
a direction of an electromagnetic wave from said

first wireless LAN access point in response to nonoccurrence of said interference.

13. The method according to claim 11, wherein said electromagnetic shield includes a shield plate, and said method further comprises:

laying down said shield plate onto a floor

in response to nonoccurrence of said interference.

14. A method for operating a wireless LAN access point including a directional antenna, said method comprising:

detecting interference effected on said directional antenna by another wireless LAN access point;

determining an optimized direction in response to said detected interference; and

adjusting a gain maximum direction to said

10 optimized direction so that said directional

antenna is free from said interference.

15. A method for operating a wireless LAN access point including a directional antenna, said method comprising:

detecting a strength of interference

5 effected on said directional antenna by another wireless LAN access point;

determining an optimized direction in response to said detected strength of said interference; and

- adjusting a gain maximum direction to said optimized direction.
 - 16. A method for operating a wireless LAN access point including directional and omnidirectional antennas, said method comprising:

selecting one of said directional and

5 omnidirectional antennas; said selected one being to be used for communications, wherein said directional antenna is selected in response to detection of interference from another wireless LAN access point during use of said

10 omnidirectional antenna.

5

17. The method according to claim 16, further comprising:

determining an optimized direction in response to a strength of said interference; and adjusting a gain maximum direction of said directional antenna to said optimized direction.

18. A method for operating a wireless LAN access point including a plurality of directional antennas having different gain maximum directions,

said method comprising:

determining whether said plurality of directional antennas respectively receive interference from another wireless LAN access point;

deactivating one(s) of said plurality of

10 said directional antennas; said one(s) receiving

said interference; and

achieving communications through remaining one(s) of said plurality of said directional antennas.

- 19. A method for operating a wireless LAN access point adapted to communicate with a wireless LAN adapter through a plurality of channels, said method comprising:
- detecting interference from another wireless LAN access point;

selecting one channel from among said plurality of said channels so that said selected channel eliminates or minimizes said

10 interference; and

achieving communications with said wireless LAN adapter through said selected channel.